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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/539,245	03/29/2006	Tetsuji Togawa	2005-0993A	9257
513 7590 04/11/2007 WENDEROTH, LIND & PONACK, L.L.P.			EXAMINER	
2033 K STREET N. W. SUITE 800 WASHINGTON, DC 20006-1021			RACHUBA, MAURINA T	
			ART UNIT	PAPER NUMBER
			3723	
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MO	NTHS	04/11/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)			
	10/539,245	TOGAWA ET AL.			
Office Action Summary	Examiner	Art Unit			
	Maurina Rachuba	3723			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING D. Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be time will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on 16 Ju This action is FINAL . 2b) ☑ This Since this application is in condition for alloward closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro	esecution as to the merits is			
Disposition of Claims					
4) Claim(s) 1-34 is/are pending in the application 4a) Of the above claim(s) 1,7 and 9-33 is/are w 5) Claim(s) is/are allowed. 6) Claim(s) 2,3,6,8 and 34 is/are rejected. 7) Claim(s) 4 and 5 is/are objected to. 8) Claim(s) are subject to restriction and/o Application Papers 9) The specification is objected to by the Examine 10) The drawing(s) filed on 6/16/05 is/are: a) ac Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct	vithdrawn from consideration. or election requirement. or. cepted or b) \(\subseteq \) objected to by the drawing(s) be held in abeyance. See tion is required if the drawing(s) is objected.	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).			
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119 12) △ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) △ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 6/16/05.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate			

Application/Control Number: 10/539,245 Page 2

Art Unit: 3723

DETAILED ACTION

Election/Restrictions

- 1. Applicant's election without traverse of group II in the reply filed on 21 December 2006 is acknowledged.
- 2. Claims 1, 7, and 9-33 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on 21 December 2006. Please note that the restriction requirement mistakenly listed claim 7 with group II, it should have been listed with non-elected group I, as it is dependent on claim 1. Any inconvenience is regretted.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. Claims 2, 6, 8 and 34 are rejected under 35 U.S.C. 102(b) as being anticipated by Jackson et al, 5,643,061. Please refer to figures 2-4 and column 4, lines 1 through column 5, lines 9. Note that the gas supplied is inherently temperature controlled, in that if it is too hot, it contributes to the heat generated during the polishing process and will cause damage to the wafer. Note that '061 discloses that the pressures are unequal between the two chambers, and that when polishing a substantial amount of exposed metal, the retaining ring is subjected to greater pressure than the wafer holding

Application/Control Number: 10/539,245 Page 3

Art Unit: 3723

chamber. Inherently, the examiner interprets that when a different type of wafer is polished, the retaining ring is subjected to less pressure than the wafer holding chamber.

Claim Rejections - 35 USC § 103

- 5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 6. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).
- 7. Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Jackson et al, 5,643,061 in view of Jackson et al, 6,241,591. '061 does not disclose the retainer ring provided with a plurality of through holes in communication with the flow passage. '591, figure 2 and column 3, lines 35-45, teaches providing a retainer ring with through holes in communication with the flow passage. It would have been obvious to one of

ordinary skill in the art to have provided '061 with the through holes of '591, to prevent trapped gas from changing the pressure of the wafer against the polishing pad.

Allowable Subject Matter

8. Claims 4 and 5 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The prior art of record does not disclose or fairly teach a switching means to selectively supply a gas or liquid to the flow passage contiguous to the retaining ring, nor does the prior art of record disclose or fairly teach that the gas is a moistened gas.

Conclusion

- 9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Other similar holding devices are cited of interest.
- 10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Maurina Rachuba whose telephone number is 571 272 4493. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Hail can be reached on 571 272 4485. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

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Application/Control Number: 10/539,245

Art Unit: 3723

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Maurina Rachuba
Primary Examiner
Art Unit 3723

Page 5